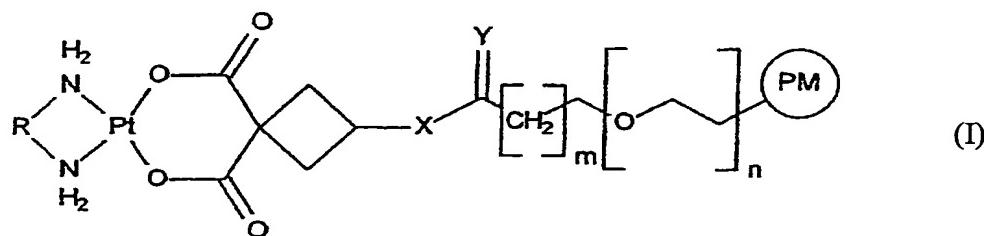


**Claims**

1. Platinum complex of the general formula I:



in which

R = 2H, , -(CH<sub>2</sub>)<sub>i</sub>- (i = 2 or 3);

X = O or NH;

Y = O, S or 2 H;

m = 0 to 5;

n = 0 to 6;

PM denotes a protein-binding group.

2. Platinum complex as claimed in claim 1,

characterized in that

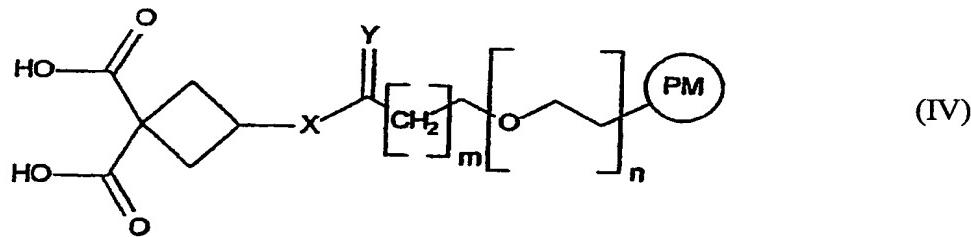
PM is a maleinimide group, a 2-dithiopyridyl group, a halogen acetamide group, a halogen acetate group, a disulfide group, an acrylic acid ester group, a monoalkylmaleic acid ester group, a monoalkylmaleamic acid amide group, an N-hydroxysuccinimidyl ester group, an isothiocyanate group or an aziridine group which can be optionally substituted.

3. Platinum complex as claimed in claim 2,

characterized in that

PM is a maleinimide group which can be optionally substituted.

4. Platinum complex as claimed in claim 3,  
characterized in that  
 $m < 2$  and  $n = 1$  to 4.
5. Platinum complex as claimed in claim 4,  
characterized in that  
 $X = O$  and  $Y = O$ .
6. Process for producing platinum complexes as claimed in one of the previous claims,  
characterized in that  
a cyclobutane-1,1-dicarboxylic acid derivative of the general formula IV



in which

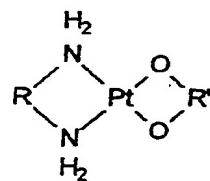
$X = O$  or  $NH$

$Y = O$ ,  $S$  or  $2 H$

$m = 0$  to 5

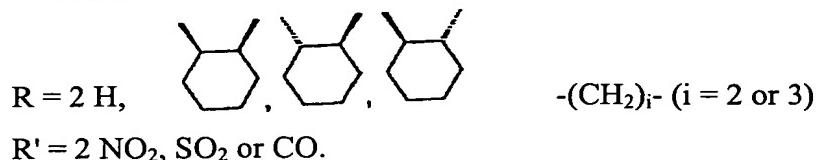
$n = 0$  to 6

and PM denotes a protein-binding group, is reacted with a platinum complex of the general formula V



(V)

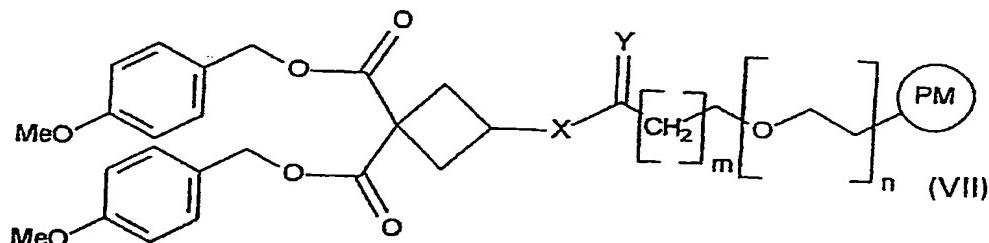
in which



7. Process as claimed in claim 6,

characterized in that

the cyclobutane-1,1-dicarboxylic acid derivative of the general formula II is obtained by reacting a 4-methoxybenzyl-protected cyclobutane-1,1-dicarboxylic acid derivative of the general formula VII



in which

X = O or NH

Y = O, S or 2H

m = 0 to 5

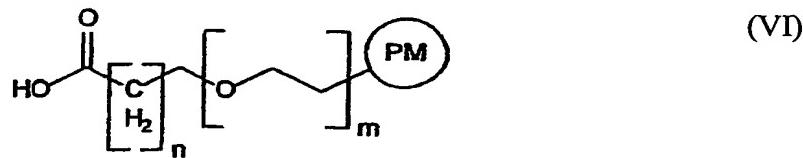
n = 0 to 6

and PM denotes a protein-binding group, with trifluoroacetic acid and anisole.

8. Process as claimed in claim 7,

characterized in that

the cyclobutane-1,1-dicarboxylic acid derivative of the general formula VII is obtained by reacting bis(4-methoxybenzyl)-3-hydroxycyclobutane-1,1-dicarboxylate with a heterobifunctional cross-linker of the general formula VI



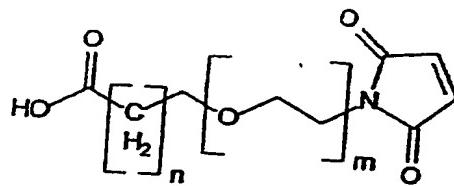
in which

$n = 0, 1$

$m = 1$  to  $6$

and PM denotes a protein-binding group, in the presence of carboxylic acid activation reagents.

9. Process as claimed in claim 8,  
characterized in that  
*N,N'-dicyclohexylcarbodiimide, N,N'-diisopropylcarbodiimide or (benzotriazole-1-yloxy)tris(dimethylamino)phosphonium hexafluorophosphate and most preferably 2-chloro-1-methylpyridinium iodide are used as carboxylic acid activation reagents.*
  
10. Process as claimed in claim 8 or 9,  
characterized in that  
*bis(4-methoxybenzyl)-3-hydroxycyclobutane-1,1-dicarboxylate is reacted with a maleimidocarboxylic acid of the general formula VIa*



(VIa)

in which

n = 0, 1

m = 1 to 6

using 2-chloro-1-methylpyridinium iodide.

11. Process as claimed in claim 8,

characterized in that

bis(4-methoxybenzyl)-3-hydroxycyclobutane-1,1-dicarboxylate is obtained by reacting bis(4-methoxybenzyl)-3-*tert*-butyldimethylsiloxy cyclobutane-1,1-dicarboxylate with tetrabutylammonium fluoride.

12. Process as claimed in claim 11,  
characterized in that  
bis(4-methoxybenzyl)-3-*tert.*-butyldimethylsiloxy cyclobutane-1,1-dicarboxylate is obtained by reacting bis(4-methoxybenzyl)malonate with 1,3-dibromo-2-*tert.*-butyldimethylsiloxypropane.
13. Pharmaceutical preparation containing a platinum complex according to any one of the claims 1 to 5 as an active ingredient, optionally together with common auxiliary substances and/or pharmaceutical solvents.
14. Use of a platinum complex as claimed in any one of the claims 1 to 5 for the treatment of cancer diseases.
15. Process for producing a pharmaceutical preparation for treating cancer diseases,  
characterized in that  
a compound as claimed in any one of the claims 1 to 5 is transferred into a therapeutically acceptable solution.